

# MAP Growth Science and MAP Growth Science for use with Next Generation Science Standards

MAP® Growth™ Science provides valuable data for teachers on the science knowledge students possess and supports learners as they aspire towards STEM- or STEAM-focused areas.

## Assess a student's learning in science

Discover two interim assessments from NWEA®:

- + MAP Growth Science—aligned to state science standards
- + MAP Growth Science for use with Next Generation Science Standards\* (2013) (NGSS)—for states, districts, or schools that have adopted NGSS

These assessments are available for elementary students in grades 3-5 and for middle school students in grades 6-8. MAP Growth Science for use with NGSS is also available for high school students in grades 9-12.

For those who have adopted NGSS, we also offer a MAP Growth Life Sciences assessment available for grades 9-12; this assessment covers biology content and can be used to track growth for students taking biology courses.

## Maximize science learning and growth

By adapting to each student's learning level, all MAP Growth Science tests offer a personalized assessment experience. Within 24 hours you'll have essential information about what every student knows and is ready to learn. From there, the MAP Growth learning continuum makes it faster and easier for teachers to differentiate science-focused instruction for both individual students and skill-based activity groups.

- + Inform instruction using valid, reliable, and actionable data
- + Measure every student's growth over time
- + Evaluate science-related programs and identify professional development needs
- + Use exclusive norms and growth information to compare student achievement and growth over time

## MAP Growth Science

MAP Growth Science assesses student understanding of specific science concepts in three major science domains:

- + Life sciences
- + Earth and space sciences
- + Physical sciences

The test pools are composed of one-dimensional content-based items and multidimensional items aligned to state standards. The overall score and instructional-area scores for each domain provide insights into a student's instructional level. MAP Growth Science tests provide relevant results and help students prepare for end-of-year, state-mandated assessments.

## MAP Growth Science for use with NGSS

MAP Growth Science for use with NGSS measures multidimensional science learning for students using only multidimensional items. Through these items, the tests measure growth in student understanding of the NGSS:

- + Science and Engineering Practices
- + Crosscutting Concepts
- + Disciplinary Core Ideas

The tests organize the NGSS Performance Expectations into three disciplinary instructional areas, all with embedded engineering design:

- + Life sciences
- + Physical sciences
- + Earth and space sciences

Overall scores and instructional-area scores give immediate insights into students' instructional levels as they progress toward end-of year, state-mandated assessments.



NWEA is a not-for-profit organization that supports students and educators worldwide by providing assessment solutions, insightful reports, professional learning offerings, and research services. Visit [NWEA.org](https://www.nwea.org) to find out how NWEA can partner with you to help all kids learn.

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